Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/07/2019 12:28 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123203	-2	1.51	123321	1.50
Blue	F	SSC	125000	123662	-2	1.63	124435	1.65
Blue	E	FITC	16433	15956	-3	2.64	347	19.25
Blue	D	PE	27595	27099	-2	1.85	590	14.37
Blue	B	PerCP-Cy5-5	43183	42609	-2	3.54	1149	19.82
Blue	A	PE-Cy7	31943	32231	0	5.94	624	38.23
Red	C	APC	42819	42454	-1	2.42	1498	12.22
Red	A	APC-Cy7	31261	30131	-4	2.39	803	11.95
Violet	B	V450	6527	6289	-4	4.30	354	13.21
Violet	A	V500	24533	23548	-5	4.09	550	10.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17773	7.35	608	8	N/A	N/A	Pass
Blue	F	SSC	56463	1.15	550	2	N/A	N/A	Pass
Blue	E	FITC	63	60.01	538	-1	0.0212	57	Pass
Blue	D	PE	123	48.82	535	1	0.1744	279	Pass
Blue	B	PerCP-Cy5-5	213	46.98	647	5	0.0094	14	Pass
Blue	A	PE-Cy7	115	94.35	696	7	0.0123	14	Pass
Red	C	APC	357	25.37	582	-1	0.0239	134	Pass
Red	A	APC-Cy7	176	29.25	560	-3	0.0056	1153	Pass
Violet	B	V450	55	57.66	449	-6	0.0471	1745	Pass
Violet	A	V500	81	33.36	460	-7	0.0232	695	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.33	-31.93	1.02
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.76	13.60 - 20.40	N/A	N/A	29.49	29.95	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10547

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments